

letterman (9/19/2003)

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C: HEAD
C: 221 1013 <5734@mcvax.UUCP> Article retrieved; head follows.

S: (sends head of article, but halfway through is interrupted by an operator request. The following then occurs, without client intervention.)

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S: (ends current line with a CR-LF pair)
S: .
S: 400 Connection closed by operator. Goodbye.
S: (closes connection)

4.6. Example 6 - Using the news server to distribute news between systems.

S: (listens at TCP port 119)

C: (requests connection on TCP port 119)
S: 201 Foobar NNTP server ready (no posting)

(client asks for new newsgroups since 2 am, May 15, 1985)
C: NEWGROUPS 850515 020000
S: 235 New newsgroups since 850515 follow
S: net.fluff
S: net.lint
S: .

(client asks for new news articles since 2 am, May 15, 1985)
C: NEWNEWS * 850515 020000
S: 230 New news since 850515 020000 follows
S: <1772@foo.UUCP>
S: <87623@baz.UUCP>
S: <17872@GOLD.CSNET>
S: .

(client asks for article <1772@foo.UUCP>)
C: ARTICLE <1772@foo.UUCP>
S: 220 <1772@foo.UUCP> All of article follows
S: (sends entire message)
S: .

(client asks for article <87623@baz.UUCP>)
C: ARTICLE <87623@baz.UUCP>
S: 220 <87623@baz.UUCP> All of article follows
S: (sends entire message)
S: .

(client asks for article <17872@GOLD.CSNET>)
C: ARTICLE <17872@GOLD.CSNET>
S: 220 <17872@GOLD.CSNET> All of article follows
S: (sends entire message)
S: .

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(client offers an article it has received recently)

C: IHAVE <4105@ucbvax.ARPA>
S: 435 Already seen that one, where you been?

(client offers another article)

C: IHAVE <4106@ucbvax.ARPA>
S: 335 News to me! <CRLF.CRLF> to end.
C: (sends article)
C: .
S: 235 Article transferred successfully. Thanks.

(or)

S: 436 Transfer failed.

(client is all through with the session)

C: QUIT
S: 205 Fooobar NNTP server bids you farewell.

4.7. Summary of commands and responses.

The following are the commands recognized and responses returned by the NNTP server.

4.7.1. Commands

ARTICLE
BODY
GROUP
HEAD
HELP
IHAVE
LAST
LIST
NEWGROUPS
NEWNEWS
NEXT
POST
QUIT
SLAVE
STAT

4.7.2. Responses

100 help text follows
199 debug output

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200 server ready - posting allowed
201 server ready - no posting allowed
202 slave status noted
205 closing connection - goodbye!
211 n f l s group selected
215 list of newsgroups follows
220 n <a> article retrieved - head and body follow 221 n <a> article
retrieved - head follows
222 n <a> article retrieved - body follows
223 n <a> article retrieved - request text separately 230 list of new
articles by message-id follows

231 list of new newsgroups follows
 235 article transferred ok
 240 article posted ok

 335 send article to be transferred. End with <CR-LF>.<CR-LF>
 340 send article to be posted. End with <CR-LF>.<CR-LF>

 400 service discontinued
 411 no such news group
 412 no newsgroup has been selected
 420 no current article has been selected
 421 no next article in this group
 422 no previous article in this group
 423 no such article number in this group
 430 no such article found
 435 article not wanted - do not send it
 436 transfer failed - try again later
 437 article rejected - do not try again.
 440 posting not allowed
 441 posting failed

 500 command not recognized
 501 command syntax error
 502 access restriction or permission denied
 503 program fault - command not performed

4.8. A Brief Word about the USENET News System

In the UNIX world, which traditionally has been linked by 1200 baud dial-up telephone lines, the USENET News system has evolved to handle central storage, indexing, retrieval, and distribution of news. With the exception of its underlying transport mechanism (UUCP), USENET News is an efficient means of providing news and bulletin service to subscribers on UNIX and other hosts worldwide. The USENET News

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system is discussed in detail in RFC 850. It runs on most versions of UNIX and on many other operating systems, and is customarily distributed without charge.

USENET uses a spooling area on the UNIX host to store news articles, one per file. Each article consists of a series of heading text, which contain the sender's identification and organizational affiliation, timestamps, electronic mail reply paths, subject, newsgroup (subject category), and the like. A complete news article is reproduced in its entirety below. Please consult RFC 850 for more details.

Relay-Version: version B 2.10.3 4.3bsd-beta 6/6/85; site
 sdcsvax.UUCP
 Posting-Version: version B 2.10.1 6/24/83 SMI; site unitek.uucp
 Path: sdcsvax!sdcrcdf!hplabs!qantel!ihnp4!alberta!ubc-vision!unitek
 !honman
 From: honman@unitek.uucp (Man Wong)
 Newsgroups: net.unix-wizards
 Subject: foreground -> background ?
 Message-ID: <167@unitek.uucp>
 Date: 25 Sep 85 23:51:52 GMT

Date-Received: 29 Sep 85 09:54:48 GMT
Reply-To: honman@unitek.UUCP (Hon-Man Wong)
Distribution: net.all
Organization: Unitek Technologies Corporation
Lines: 12

I have a process (C program) which generates a child and waits for it to return. What I would like to do is to be able to run the child process interactively for a while before kicking itself into the background so I can return to the parent process (while the child process is RUNNING in the background). Can it be done? And if it can, how?

Please reply by E-mail. Thanks in advance.

Hon-Man Wong

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5. References

- [1] Crocker, D., "Standard for the Format of ARPA Internet Text Messages", RFC-822, Department of Electrical Engineering, University of Delaware, August, 1982.
- [2] Horton, M., "Standard for Interchange of USENET Messages", RFC-850, USENET Project, June, 1983.
- [3] Postel, J., "Transmission Control Protocol- DARPA Internet Program Protocol Specification", RFC-793, USC/Information Sciences Institute, September, 1981.
- [4] Postel, J., "Simple Mail Transfer Protocol", RFC-821, USC/Information Sciences Institute, August, 1982.

6. Acknowledgements

The authors wish to express their heartfelt thanks to those many people who contributed to this specification, and especially to Erik Fair and Chuq von Rospach, without whose inspiration this whole thing would not have been necessary.

7. Notes

<1> UNIX is a trademark of Bell Laboratories.

Comment on RFC 977

Comments about this RFC:

- RFC 977: This is because the standard NNTP protocol does not require login. You may be... by Andir (4/3/2004)
- RFC 977: i want to know about net work security by yusif (7/8/2004)
- RFC 977: I don't see any information about client authentication in this. If a mail... by